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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/024,164	12/18/2001	Albert Alec Talin	CR00-029	6435
23330 73	590 12/11/2003		EXAM	INER
MOTOROLA, INC. CORPORATE LAW DEPARTMENT - #56-238 3102 NORTH 56TH STREET PHOENIX, AZ 85018			MAYEKAR, KISHOR	
			ART UNIT	PAPER NUMBER
			1753	
			DATE MAILED: 12/11/200	3

Please find below and/or attached an Office communication concerning this application or proceeding.

4. ip. 14	Application No.	Applicant(s)				
	10/024,164	TALIN ET AL.				
Office Action Summary	Examiner	Art Unit				
*	Kishor Mayekar	1753				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earmed patent term adjustment. See 37 CFR 1.704(b).						
1) Responsive to communication(s) filed on 12 Se	eptember 2003.					
2a) ☐ This action is FINAL. 2b) ☑ This	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-20</u> is/are pending in the application.						
4a) Of the above claim(s) <u>17-20</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-16</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on <u>18 December 2001</u> is/are: a)⊠ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. §§ 119 and 120						
12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received. 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.						
a) The translation of the foreign language provisional application has been received.						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.						
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary	(PTO-413) Paper No(s) atent Application (PTO-152)				
3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4/23/03 . 6 Other:						

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of invention of Group II, claims 1-16
 filed September 12, 2003 is acknowledged.

Claim Rejections - 35 USC \$ 112

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 1-6 and 8-11 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for the electrophoretic deposition of a binder material and carbon nanotubes in a separate step, does not reasonably provide enablement for the deposition of the same by any other deposition

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technique. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make/and/or use the invention commensurate in scope with these claims.

Claim Rejections - 35 USC \$ 102 and 103

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which

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said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claims 1-4 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by RUSS (6,462,467). See claims 11 and 15; col. 3, lines 29-53; col. 4, line 54 through col. 5, line 25; and col. 5, line 66 through col. 6, line 26.

7. Claims are 5-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over RUSS '467 in view of CHOI et al. (6,616,497). RUSS as applied above further discloses in col. 3, lines 60-65 that forms of carbon can be used as the electron emitting materials. The difference between RUSS and the instant claim is the use of specific carbon nanotubes in the colloidal solution. CHOI shows in a method of manufacturing file emitter by electrophoretic deposition the use of carbon nanatubes as the emitting structure (see abstract and col. 2, lines 41-58). The subject matter as a whole would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified RUSS" teachings as shown by CHOI because the selection of any of known equivalent emitting structure would be within the level of ordinary skill in the art.

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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kishor Mayekar whose telephone number is (703) 308-0477. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam Nguyen can be reached on (703) 308-3322. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

Kishor Mayekar Primary Examiner Art Unit 1753

ΚM